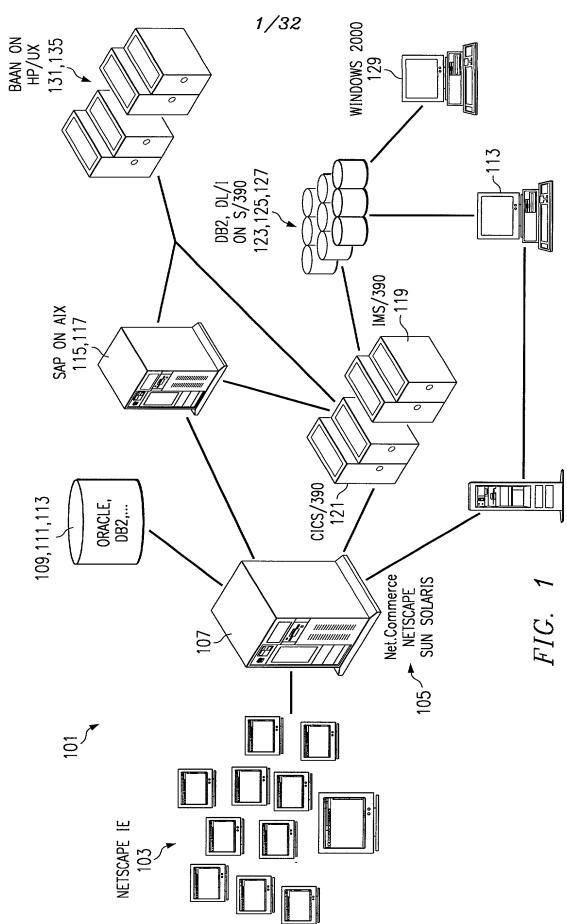
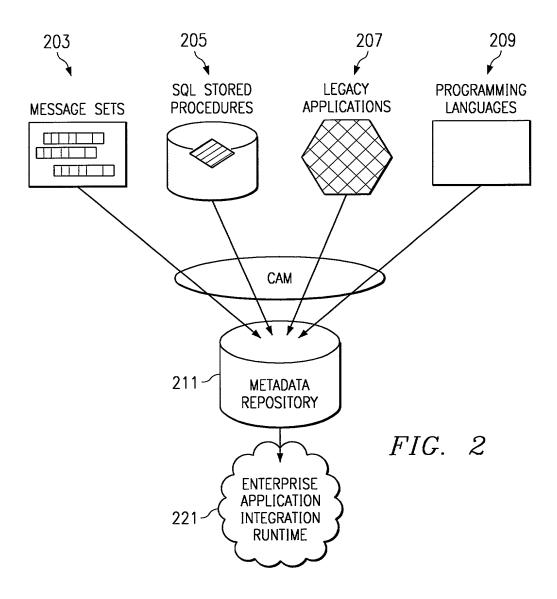
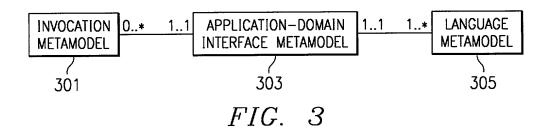
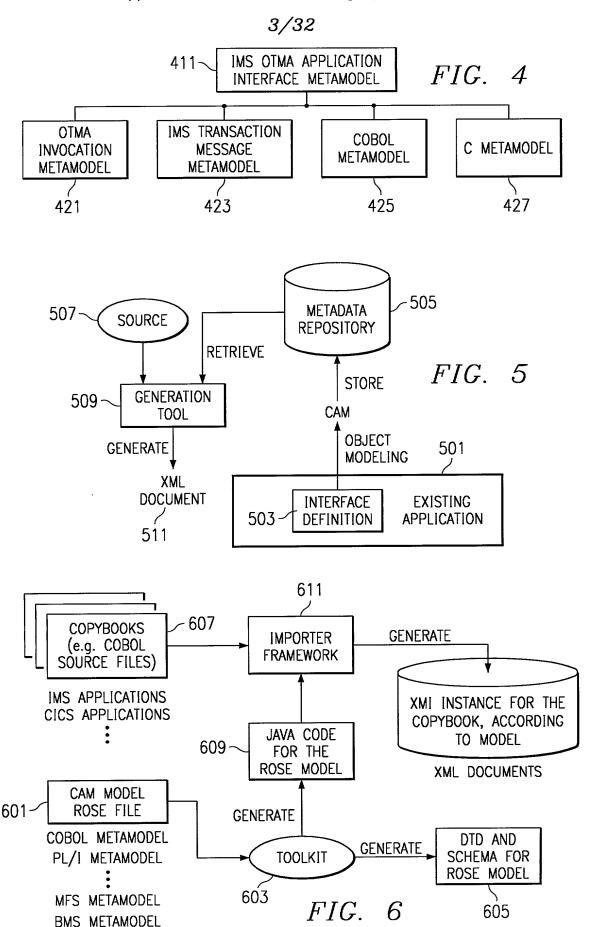
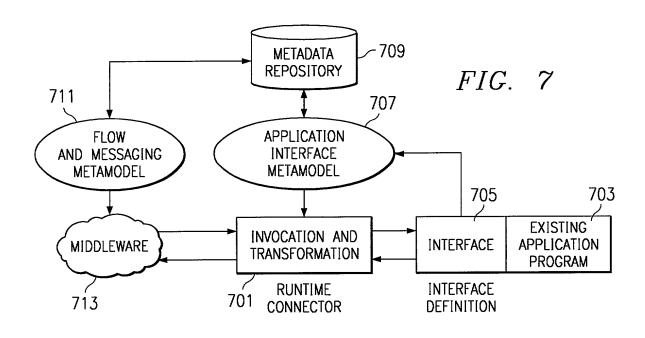
STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel

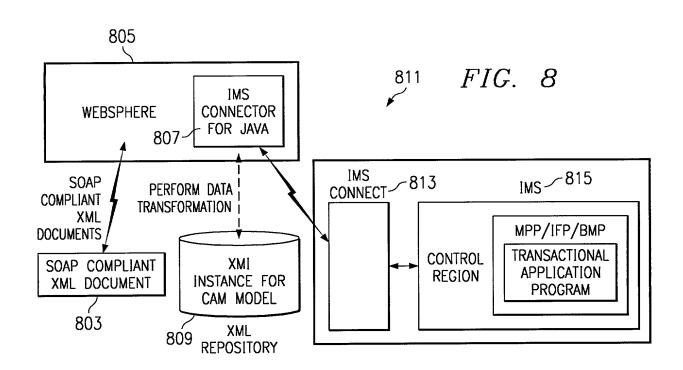




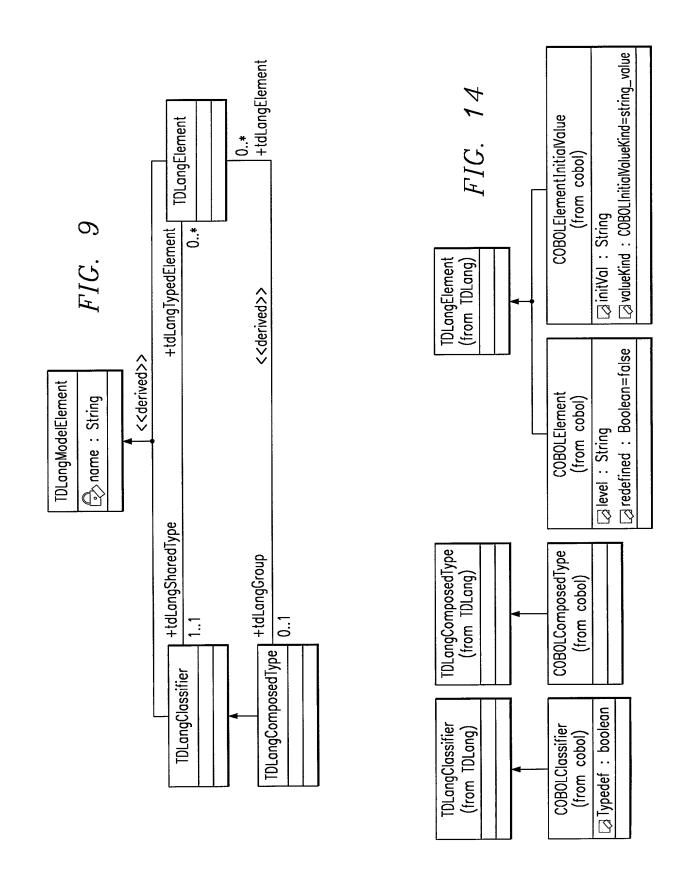


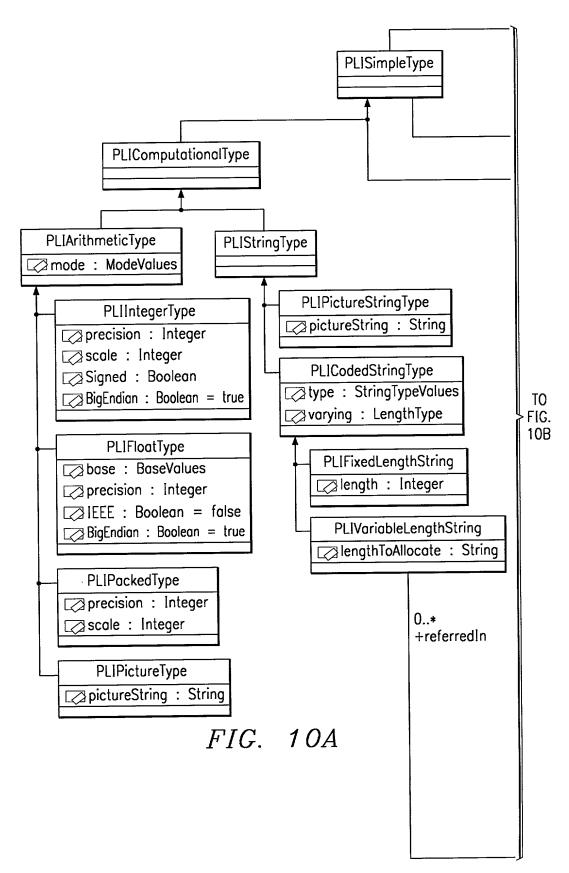




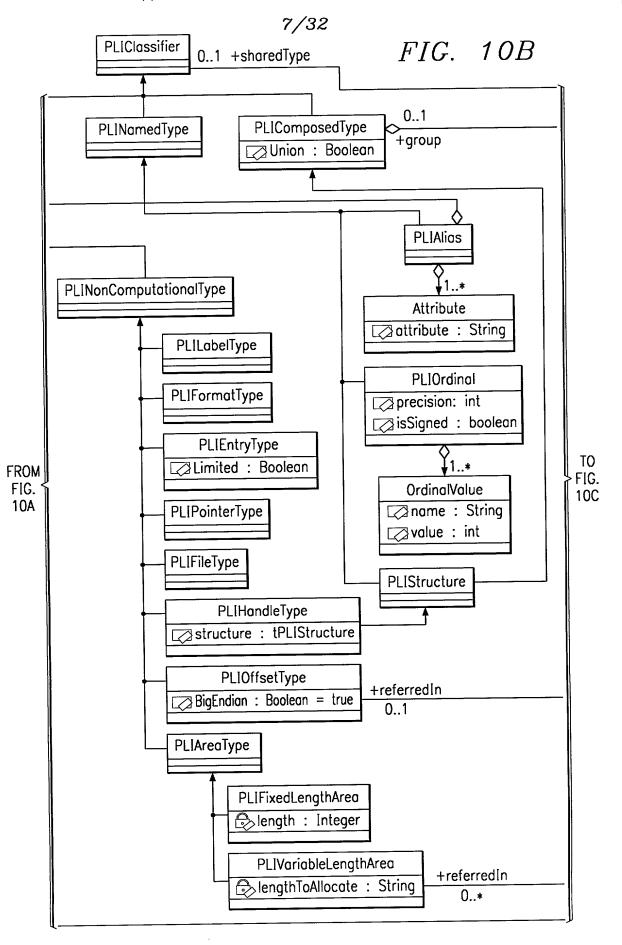


STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel



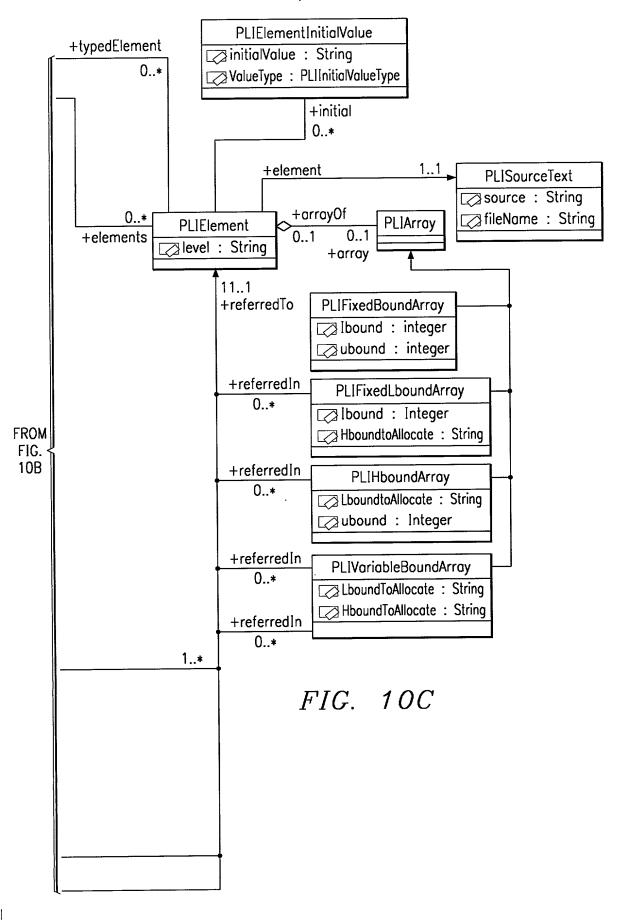


STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel



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STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel



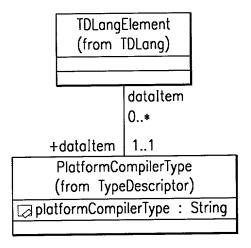
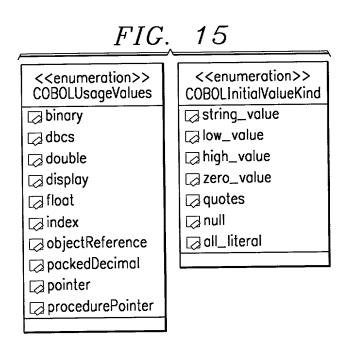
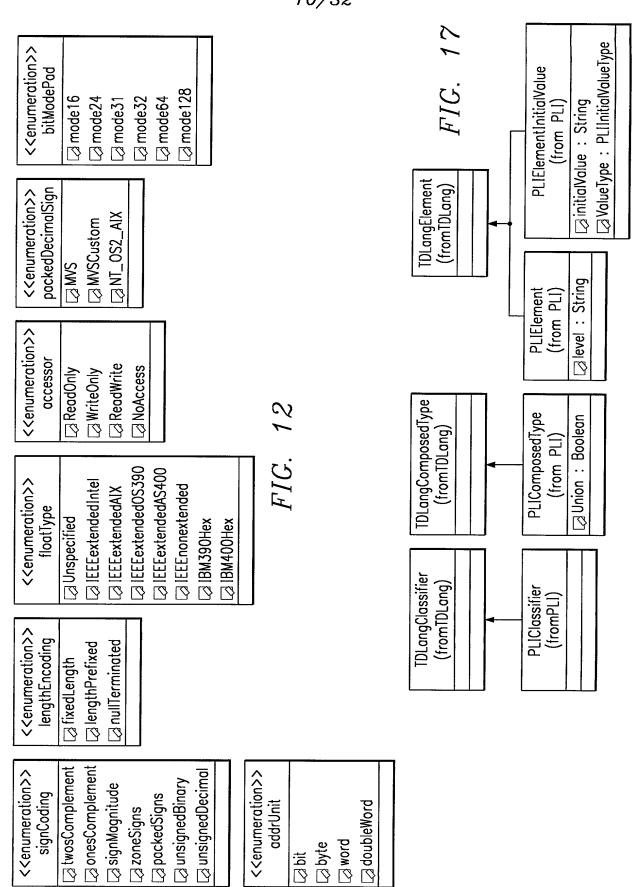


FIG. 11





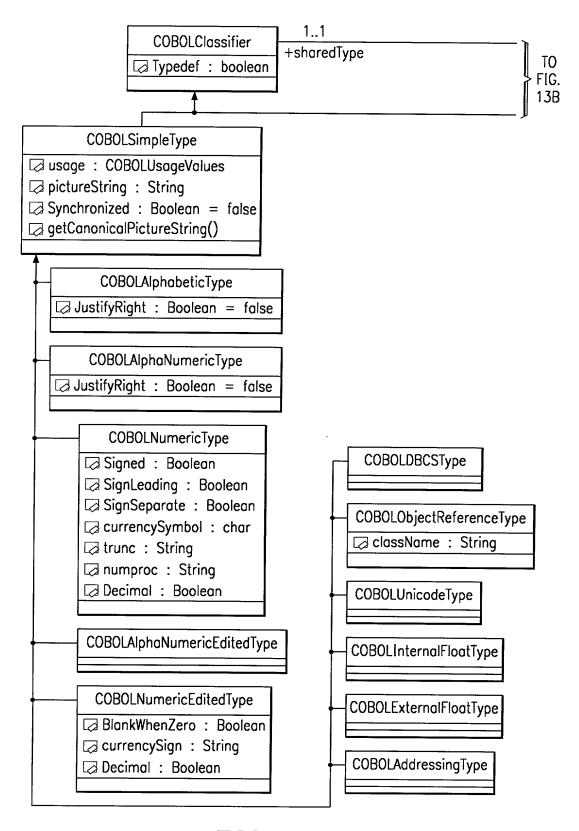
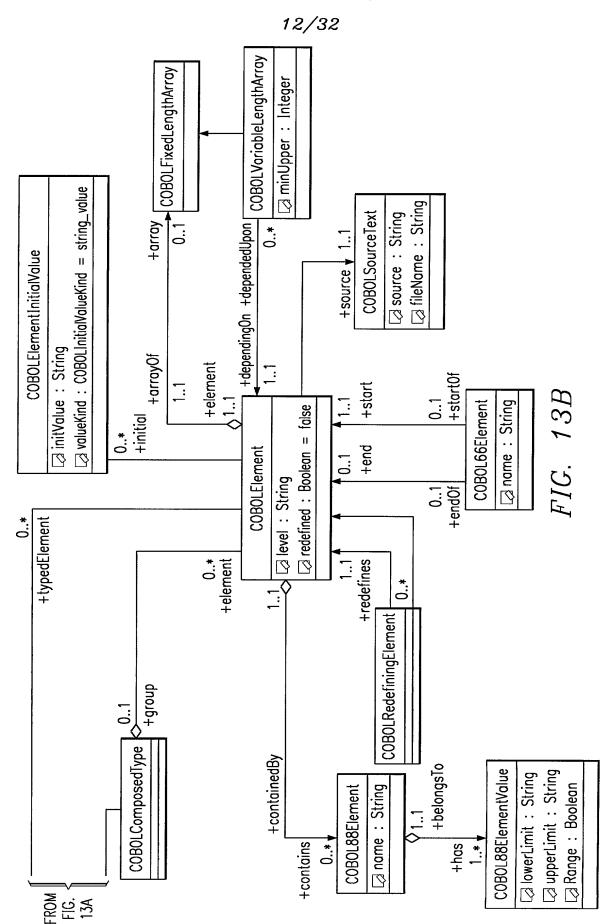
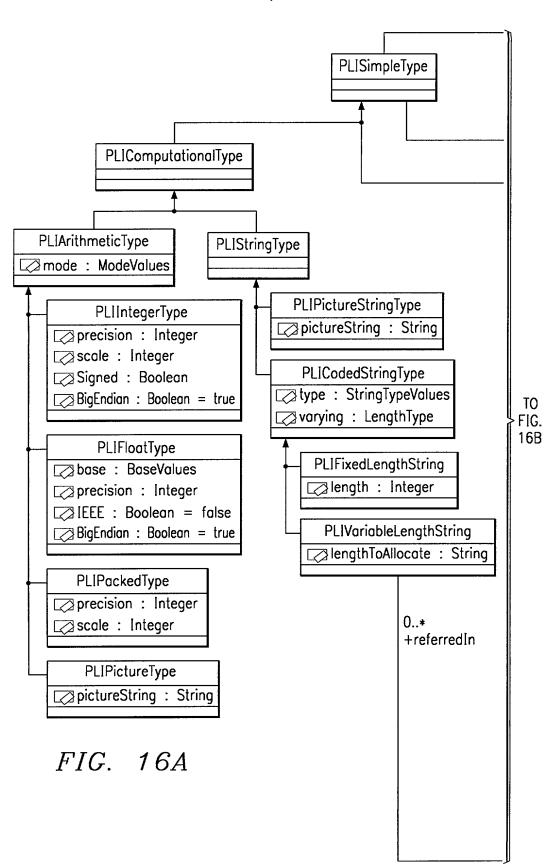


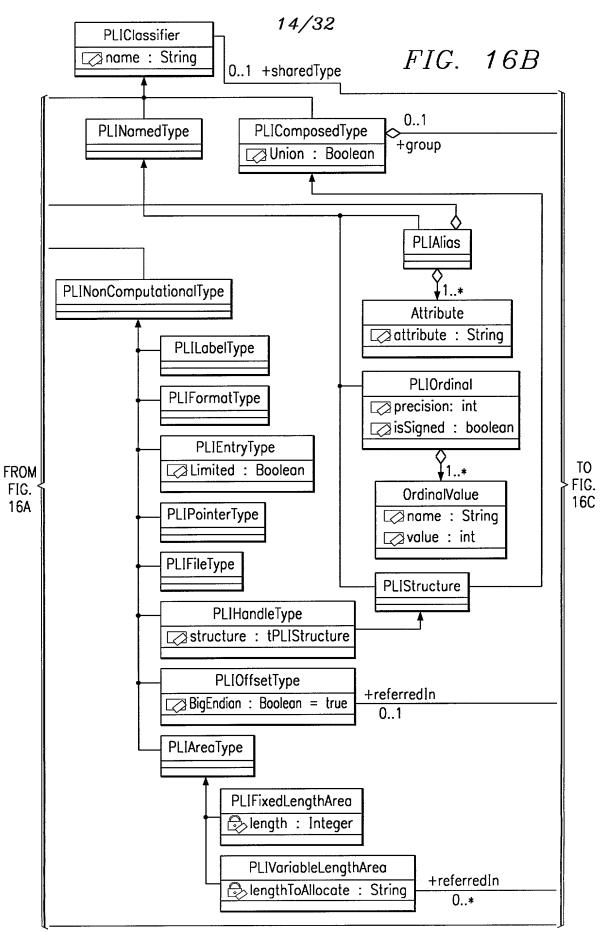
FIG. 13A

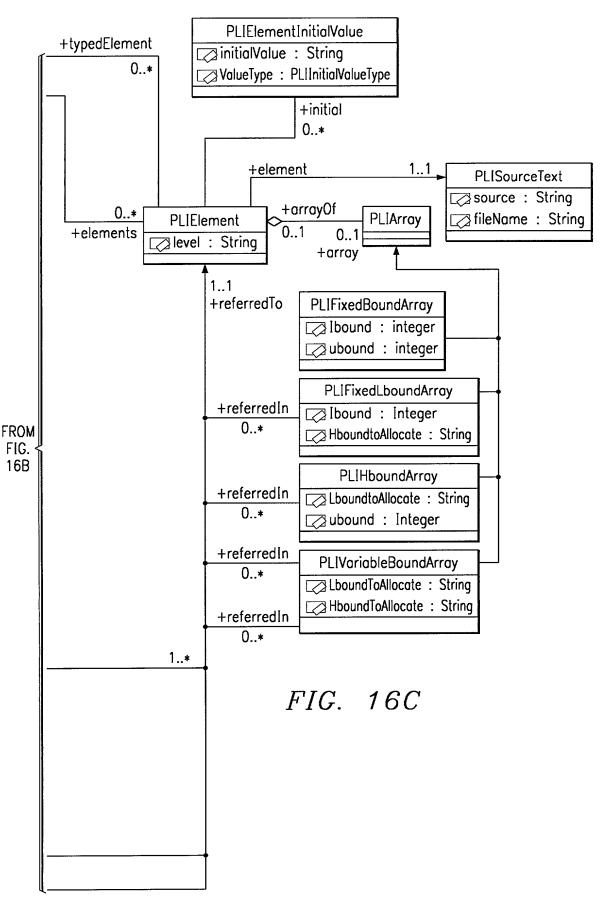
STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel

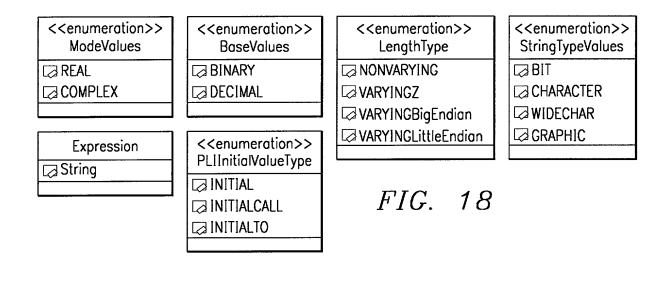


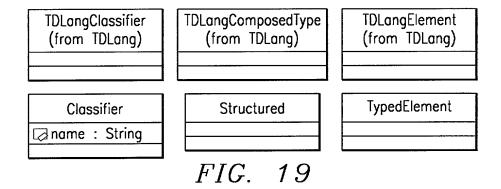


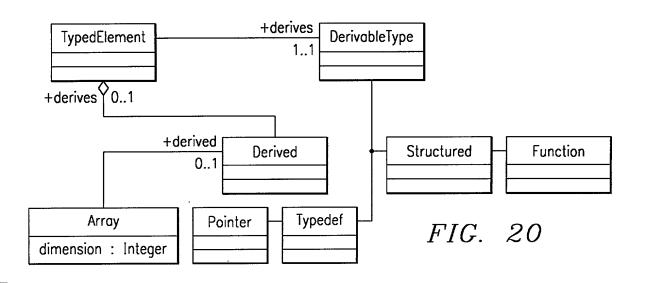
STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel

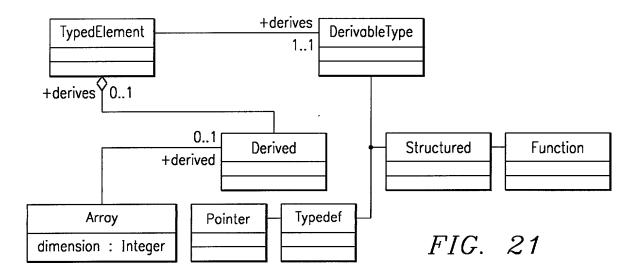












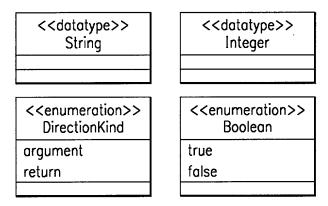


FIG. 23

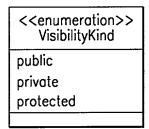
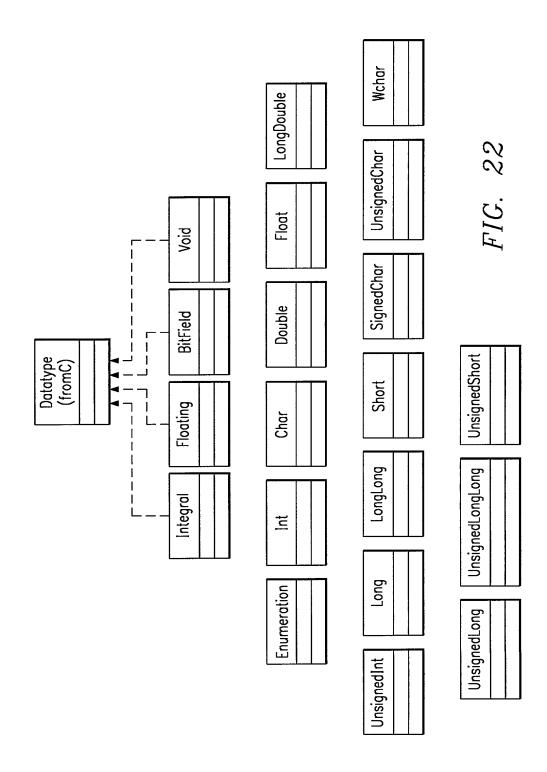
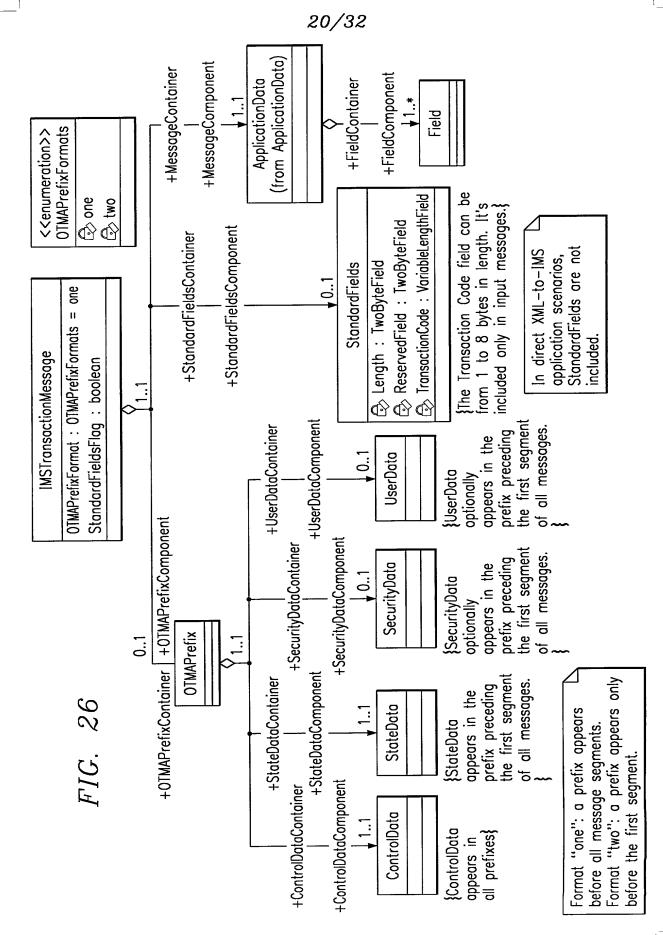


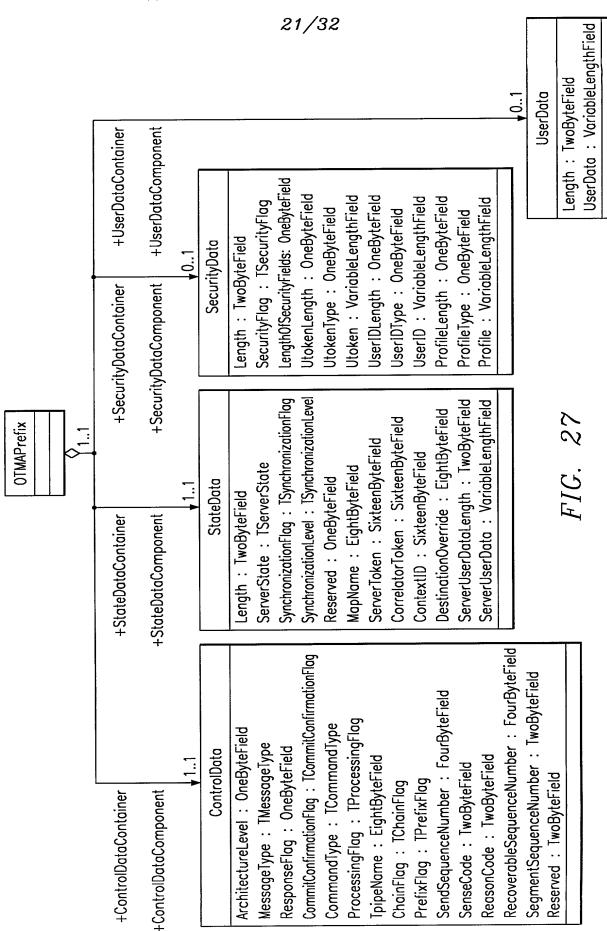
FIG. 25



Field (fromC) (fromC)	Member isStatic : Boolean isVolatile : Boolean isRegister : Boolean visibility : VisibilityKind
BehavioralFeature (fromC)  name : String  Function (fromC)  isVarArg : Boolean  Operator  isInline : Boolean  visibility : VisibilityKind  StructureContents  (fromC)	
dind n tykkind	isStatic: Boolean isExtern: Boolean isInline: Boolean isVirtual: Boolean isPure: Boolean visibility: VisibilityKind isCtor: Boolean isDtor: Boolean
Derived (fromC)  Extern linkage: String  Reference	FIG. 24

STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel





**TCommitConfirmationFlag** Committed: String <<enumeration>>

<<enumeration>>

**IMessageType** 

Aborted: String

Transaction : String

Data: String

<<enumeration>> **TCommandType** 

ServerAvailable : String ClientBid: String

🗞 CBresynch : String

String : String

CommitConfirmation: String

Command: String Response: String

ResumeProcessingForAllTpipes: S
SuspendInputForTpipe: String
ResumeInputForTpipe: String
SRVresynch: String
REQresynch: String

String : String

<<enonmeration>>

SecurityData : String

MiddleInChain : String

ErrorMessageFollows : String

AsynchronousOutput: String SynchronizedTpipe : String

FirstInChain : String

<<enumeration>>

<<enumeration>>

**TProcessingFlag** 

**TChainFlag** 

UserData : String

ApplicationData: String DiscardChain : String **ALastInChain**: String

StateData : String

28

23/32

<<enumeration>> TServerState

ConversationalState : String

ResponseMode : String

<<enumeration>>
TSynchronizationFlag

CommitThenSend : String

SendThenCommit: String

<<enumeration>> TSynchronizationLevel

None : String

 $\bigcirc$  Confirm : String

SYNCPT : String

FIG. 29

<<enumeration>> TSecurityFlag

♠NoSecurity : String

Check : String

♣Full : String

FIG. 30

<<pre><<pre><<pre>OneByteField

<<pre><<pre><<pre>TwoByteField

<<pre><<pre><<pre>FourByteField

<<pre><<pre><<pre>SixByteField

NOTE: THESE PRIMITIVES DON'T TELL YOU THE FORMAT OF THE INFORMATION, JUST THE BYTE-LENGTHS. WE MAY NEED TO MODIFY THIS IF WE WANT TO SPECIFY THAT THE DATA IS, FOR EXAMPLE, TWO BYTES OF ASCII VERSUS TWO BYTES OF UNICODE, OR THAT THE BYTES ARE BIG-ENDIAN ORDERED VERSUS LITTLE-ENDIAN.

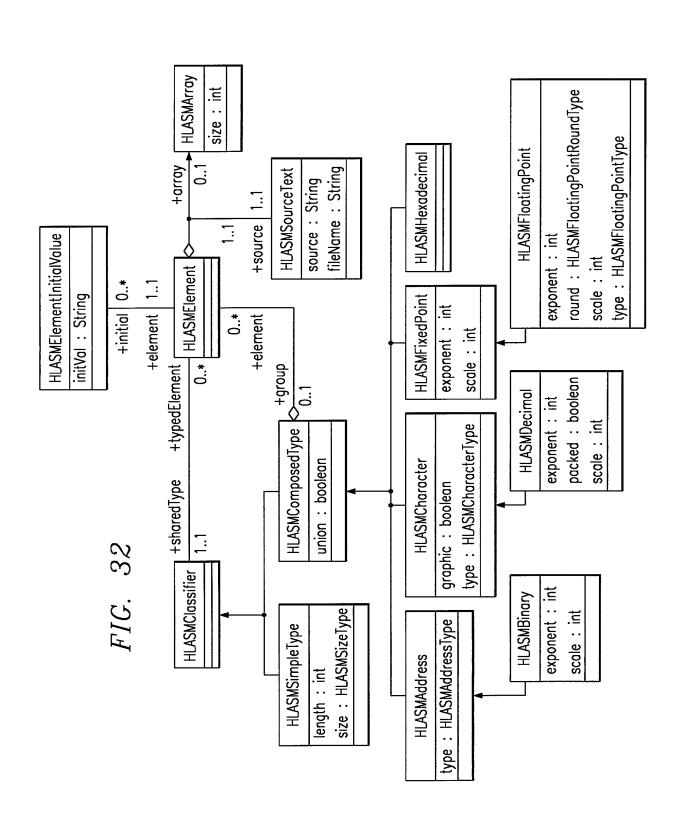
<<pre><<pre>ccprimitive>>
EightByteField

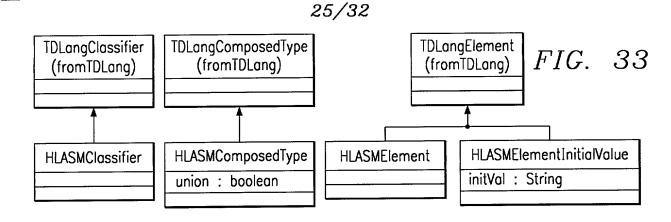
<<pre><<pre>continue
SixteenByteField

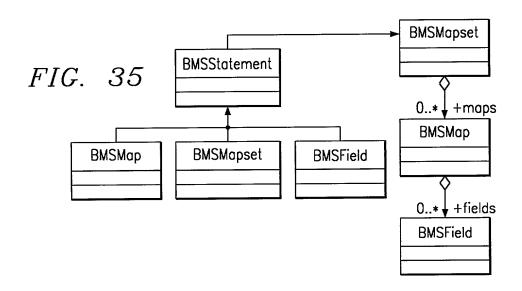
<<pre><<pre><<pre>VariableLengthField

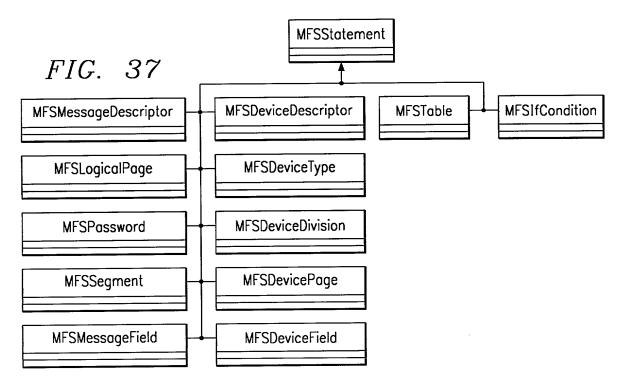
FIG. 31

STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel
24/32

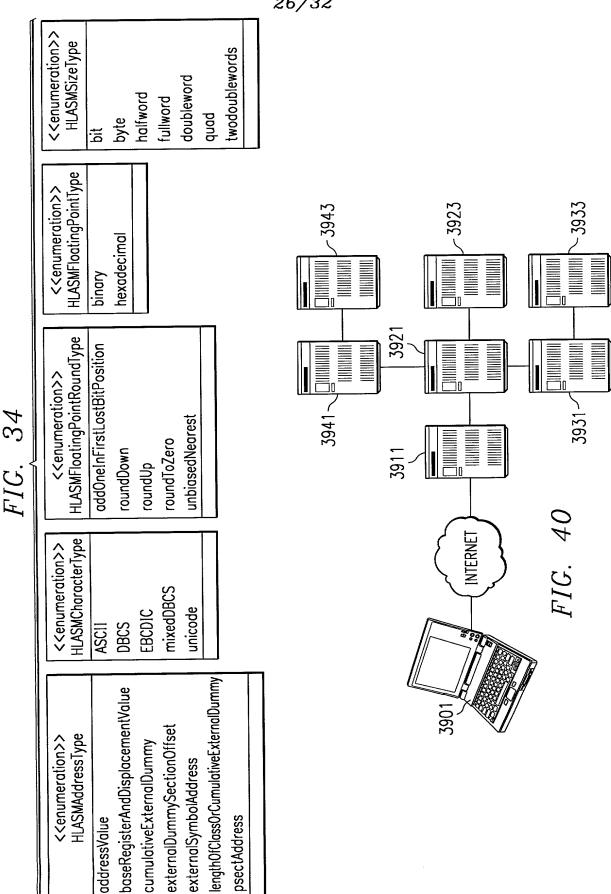








STL920000075US2 Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel



#### 27/32

**BMSField** 

attributes: BMSAttributesType case: boolean

color: BMSColorType

highlighting : BMSHighlightingType group: String

justify: BMSJustifyType initialValue : String

length: int occurs: int

outlining: BMSOutliningType pictureInput: String

position: BMSPositionType pictureOutput : String

programmedSymbol: String shiftOutShiftIn: String

transparent: boolean

validation: BMSValidationType

shiftOutShiftIn : boolean

terminal : String

railer : boolean

ralidation : BMSValidationType

FIG. 36A

control: BMSControlType cursorLocation : boolean color: BMSColorType

data : BMSDataType

descriptionAttributes : BMSMapAttributesType

cursorLocation: boolean

data : BMSDataType

control: BMSControlType

base : String color : BMSColorType

descriptionAttributes : BMSMapAttributesType

extendedAttributes : BMSExtendedAttributesType fields: boolean

ieldSeparator : String header : boolean

highlighting: BMSHighlightingType justify: BMSJustifyType

ine : String

mapAttributes : BMSMapAttributesType

outboardFormatting : boolean

mode: BMSModeType

outlining: BMSOutliningType

partition : String

programmedSymbol: String

shiftOutShiftIn: boolean

storage : boolean

suffix : String

mapAttributes : BMSMapAttributesType outboardFormatting: boolean

programmedSymbol: String

size: BMSSizeType

ioaPrefix : boolean

ransparent : boolean

trigraph: boolean

ioaPrefix: boolean

terminal : String

validation : BMSValidationType ype : BMSMapsetType vericalTabs : int

BMSMap column: String

**BMSMapset** 

extendedAttributes: BMSExtendedAttributesType

highlighting: BMSHighlightingType

TeldSeparator: String

fold BMSFoldType

language: BMSLanguageType

horizontalTabs : int

logicalDeviceCode : int

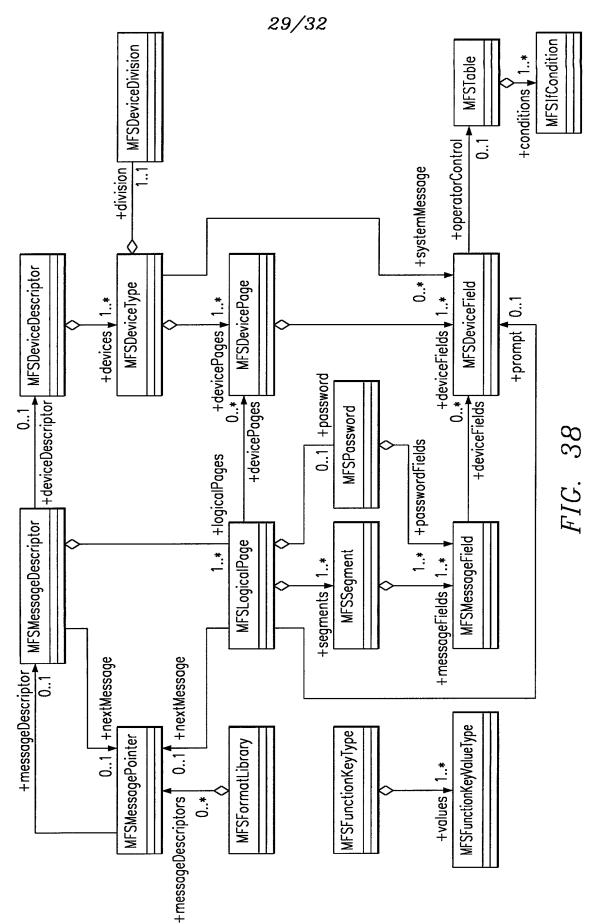
partition: String

outlining: BMSOutliningType

ransparent : boolean

	28/32	
BMSStatement label : String comments : String	Skenumeration >> BMSFoldType lower upper  > BMSLanguageType assembler c c cobol pli cobol pli mustFill mustFill mustEnter trigger userExit	
<pre>&lt;<enumeration>&gt; BMSExtendedAttributesType no yes maponly</enumeration></pre>	BMSJustifyType left: boolean right: boolean first: boolean last: boolean bottom: boolean bottom: int column: int number: int BMSSizeType line: int column: int	
<pre>&lt;<enumeration>&gt; BMSDataType field block r r r r r r r r r r r r r r r r r r r</enumeration></pre>	<pre>&lt;<enumeration>&gt; BMSHighlightingType off blink reverse underline  BMSOutliningType box : boolean left : boolean right : boolean over : boolean under : boolean under : boolean</enumeration></pre>	
	<pre>&lt;<enumeration>&gt; BMSControlType print length freekb alarm frset  &lt;<enumeration> BMSModeType out in inout</enumeration></enumeration></pre>	
FIG. 36B	<pre>&lt;<enumeration>&gt; BMSColorType default blue red green pink turquoise yellow neutral  </enumeration> BMSMapsetType dsect map final</pre>	
-	BMSAttributesType skip: boolean bright: boolean detectable: boolean dark: boolean cursor: boolean normal: boolean protected: boolean protected: boolean bighlighting: boolean outline: boolean sosi: boolean transparent: boolean validaiton: boolean	

STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel



#### STL920000075US2 Shyh Mei F. Ho, et al. Common Application Metamodel Including C/C++ Metamodel

30/32

extendedAttributes: MFSExtendedAttributeType extendedGraphicCharacterSet: String **MFSMessagePointer** MFSFormatLibrary highlighting : MFSHighlightingType name : String name : String **MFSExtendedAttributeType** validation : MFSValidationType programmedSymbol: String outlining: MFSOutliningType attributes : MFSAttributeType **MFSDeviceField** position: MFSPositionType color : MFSColorType mixed: boolean length: MFSLengthType extendedAttributes : int justify: MFSJustifyType value: String **MFSMessageField** attributes : boolean pen : String exit: MFSExitType length: int value : String fill: String **MFSExitType** number : int vector: int compression: MFSCompressionType type: MFSDescriptorType **MFSDeviceDivision** multiplePages : boolean cursor : MFSCursorType MFSDevicePage exit: MFSExitType graphic: boolean FIG.~39AfieldName : String **MFSSegment MFSCursorType** fill: String column: int row : int eatures : MFSFeatureType operator : MFSOperatorType condition: MFSConditionType pk: MFSFunctionKeyType rightOperand : String **MFSConditionType** leftOperand : String promptValue: String **MFSDeviceType** page : MFSPageType MFSLogicalPage substitution: String dsca: String card: String type: String pen : String width: int detectable : MFSDetectabilityType intensity: MFSIntensityType type : MFSDescriptorType condition : MFSConditionType **MFSMessageDescriptor** ignoreSource: boolean attributeBytes: boolean comments: String MFSAttributeType MFSIfCondition **MFSStatement** protected: boolean paging : boolean modified : boolean numeric : boolean label : String action: String strip: boolean option: int fill: String

	MFSPositionType row : int column : int physicalPage : int				еТуре	eType geFormattingType			normal	normal high nondisplayable			39B			
	MFSLengthType	length: int	firstByte: int		MFSPageType	number : int formatting : MFSPageFormattingType		< <enumeration>&gt; MFSHiahliahtingTvoe</enumeration>	default	blink	reversevideo underline		FIG.			
be		<u> </u>	up					< <enumeration>&gt; MFSDetectabilityType</enumeration>	deferred	immediate	nondetectable	< <enumeration>&gt;</enumeration>	MFSValidationType default fill field both			
MFSOutliningType	box : boolean	left boolean	under: boolean	over : boolean		< <enumeration>&gt; MFSDescriptorType</enumeration>							<cenumeration>&gt; MFSPageFormattingType defined space float</cenumeration>			
(eyType	String		ValueType	ring	<u>م</u>	<en></en>	input	output					<enu MFSPage defined space float</enu 			
<u>5</u>	fieldName :		MFSFunctionKeyValueType	index : int		< <enumeration>&gt; MFSCompressionType</enumeration>	fixed	short			<pre>&lt;<enumeration>&gt; MFSOperatorType</enumeration></pre>	ednal	notEqual greaterThan greaterThanOrEqual lessThan lessThanOrEqual			
ype		: boolear	5				i <del>c</del>	다 등				   ≅	7			
MFSFeatureType	card : boolean	aataEntrykeyboara : boolean	group: int	ignore : boolean		< <enumeration>&gt; MFSColorType</enumeration>	plue	red areen	pink	turquoise	yellow default	neutral	<cenumeration>&gt; MFSJustifyType left right</cenumeration>			

STL920000075US2
Shyh Mei F. Ho, et al.
Common Application Metamodel Including C/C++ Metamodel

